1. Provide a 3 phase, 4 wire tape at the existing 400 Amp, 208/120 Volt secondary service entrance panelboard located in bldg #1014. Perform the tap in accordance with NEC 240.21 or if necessary a service entrance conductor splice/tap in accordance with NEC 230.46.
2. Provide a 200 Amp, 240 volt, 3 phase, 4 wire thermal magnetic molded case circuit breaker, Q frame, as manufactured by Square D, or equal, in a NEMA 1 Sq. D Class 610, or equal, surface mount enclosure. AIC rating of proposed breaker to match the AIC rating of the existing 400 Amp MCB. Size the tap conductors and install the proposed breaker in a location within the tap distance allowed in NEC 240.21
3. Install a 3" EMT conduit with 4-250 MCM, 1-#4 ground from the proposed 200 Amp Ckt breaker to the proposed 225 Amp panelboard located in bldg # 1010. Conductor to be type THHN/THWN. Conduit shall be supported at a minimum of every 10' and within 3' of a box or enclosure termination. Pull boxes shall be installed as required to pull the conductors. The length of the run is approximately 500'.
4. Provide a NEMA 1, 225 Amp, 240 Volt, 3 phase, 4 wire, 30 Ckt, panelboard with a 200 Amp MCB. Panelboard shall have a copper bus, lockable door and shall be surface mount type as manufactured by Square D, Style NQOD, Class 1630 or equal. Install the panelboard adjacent to the exterior door in bldg #1010 as directed by the CTARNG. Terminate the wiring presently coiled at this location to the branch breakers. Note the wiring coiled services convenience outlets, fluorescent lighting, future baseboard radiation heating, air conditioning and computer server. The following branch breaker quantity and sizes shall be provided as a minimum. Coordinate the breaker sizes with the CTARNG prior to ordering.

    10-20 Amp 1 pole Breakers
    1-40 Amp 2 pole Breakers
    2-30 Amp 2 pole Breakers
    4-20 Amp 2 pole Breakers

5. As a general note; the Electrical Contractor is responsible for the following:

    A. All materials and workmanship in accordance with the State and National Codes.
    B. All permitting (if required).
    C. Coordination with the Owner for all power outages and location of electrical components.